

Title: "SUBSTITUTED DIHYDRONAPHTHALENE AND ISOCHROMAN COMPOUNDS FOR THE TREATMENT OF METABOLIC DISORDERS, CANCER AND OTHER DISEASES"
Inventor: Tachdjian *et al.*
Serial No.: Unassigned
Docket No.: 13099.0023U2
Sheet 1 of 14

Differentiation of 3T3-L1 Preadipocytes Induced By Isochroman Compounds

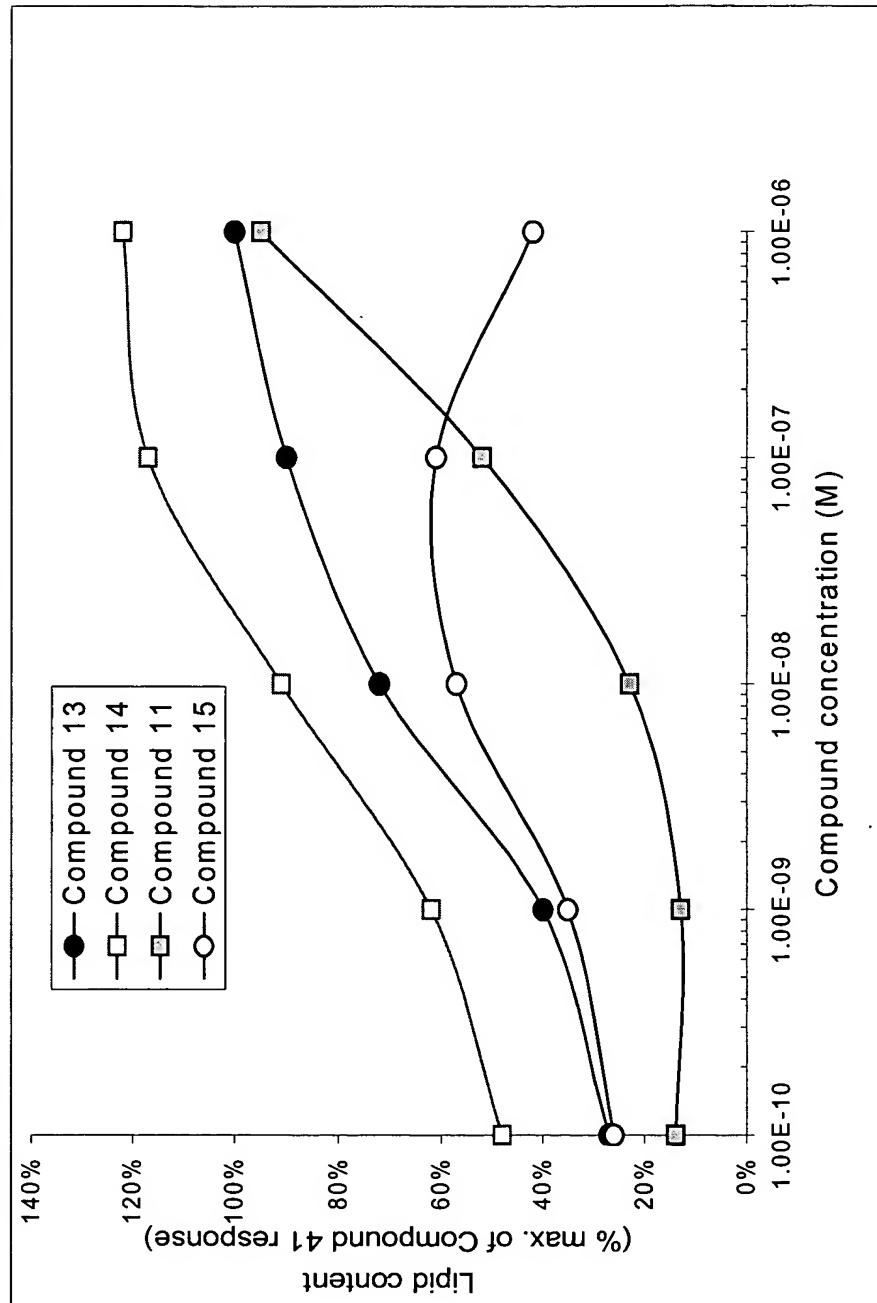


Figure 1a

Differentiation of 3T3-L1 Preadipocytes Induced By Dihydroronaphthalene Compounds

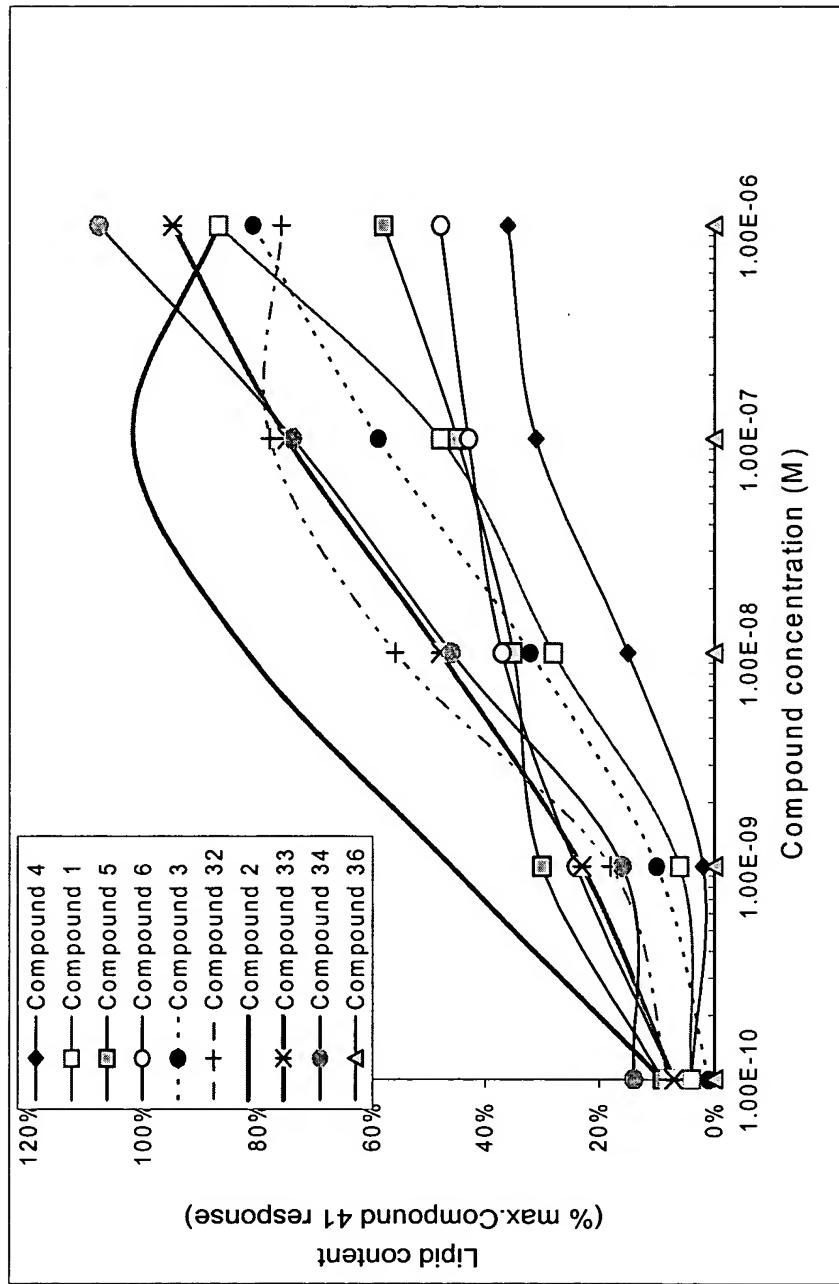


Figure 1b

**Serum Glucose and Triglyceride levels in KKA^y Mice
Treated With A Dihydronaphthalene Compound**

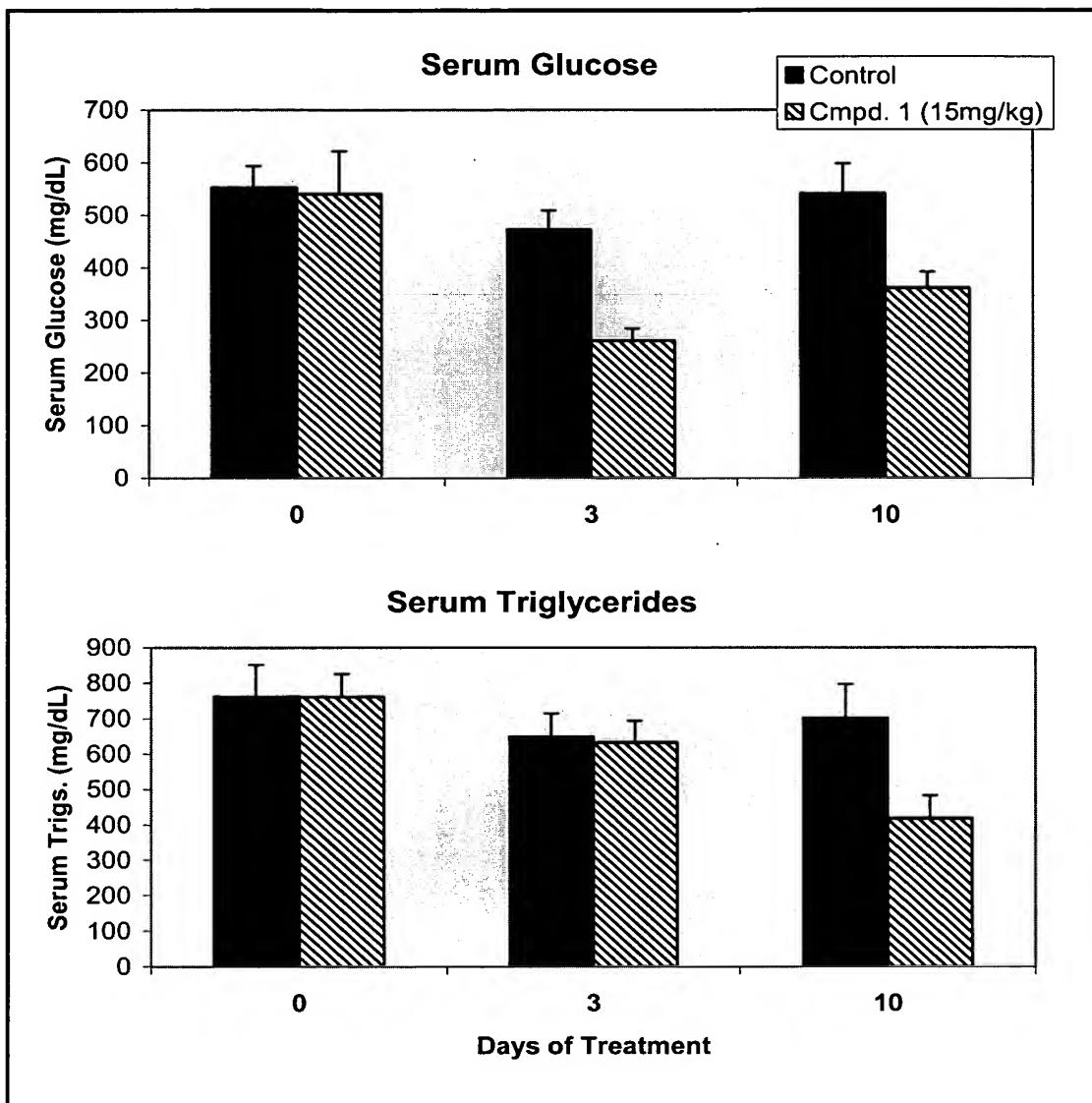


Figure 2a

Serum Glucose and Triglyceride levels in KKA^y Mice

Treated With a Dihydronaphthalene Compound

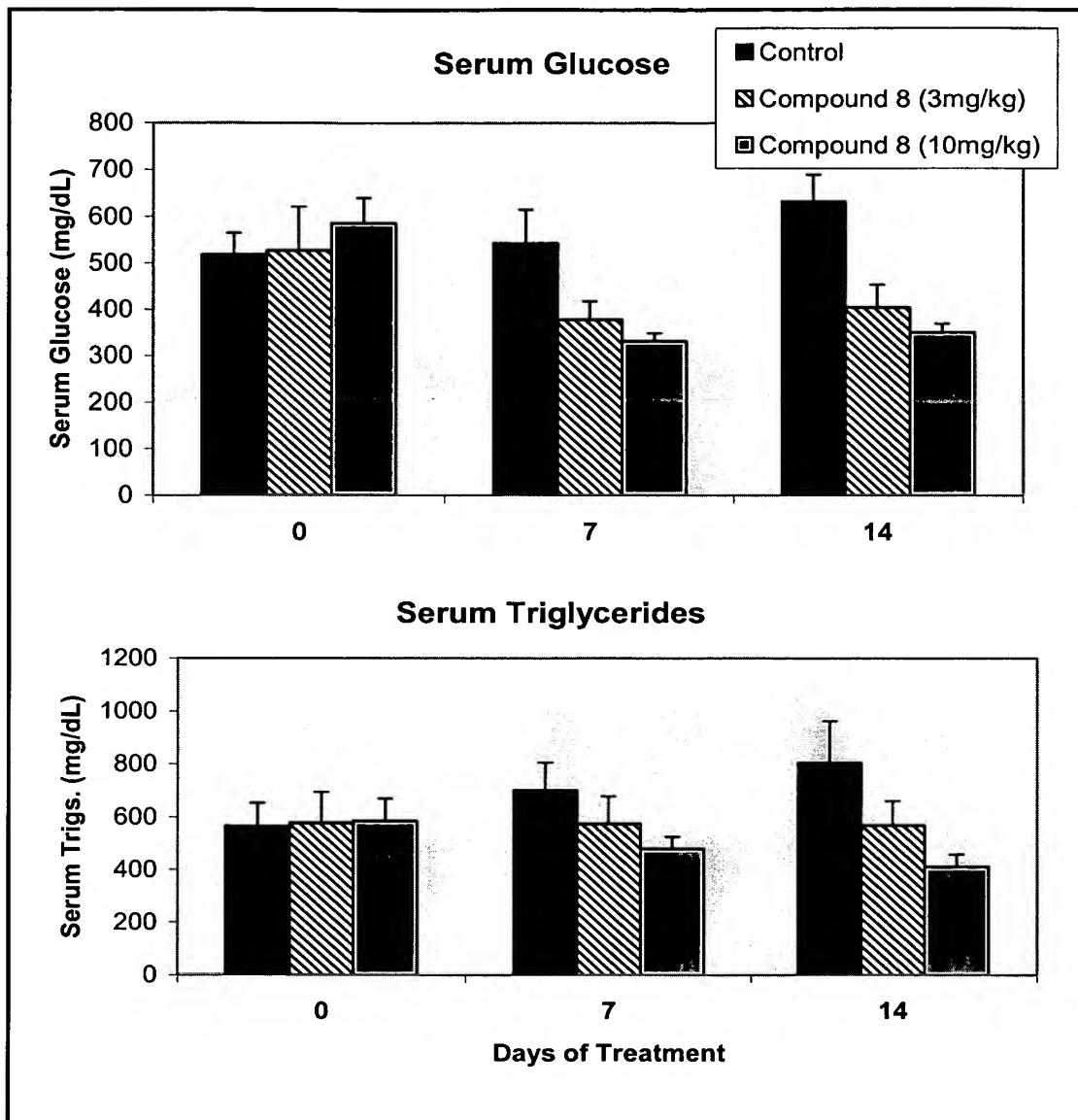


Figure 2b

**Serum Glucose and Triglyceride levels in KKA^y Mice
Treated With A Dihydronaphthalene Compound**

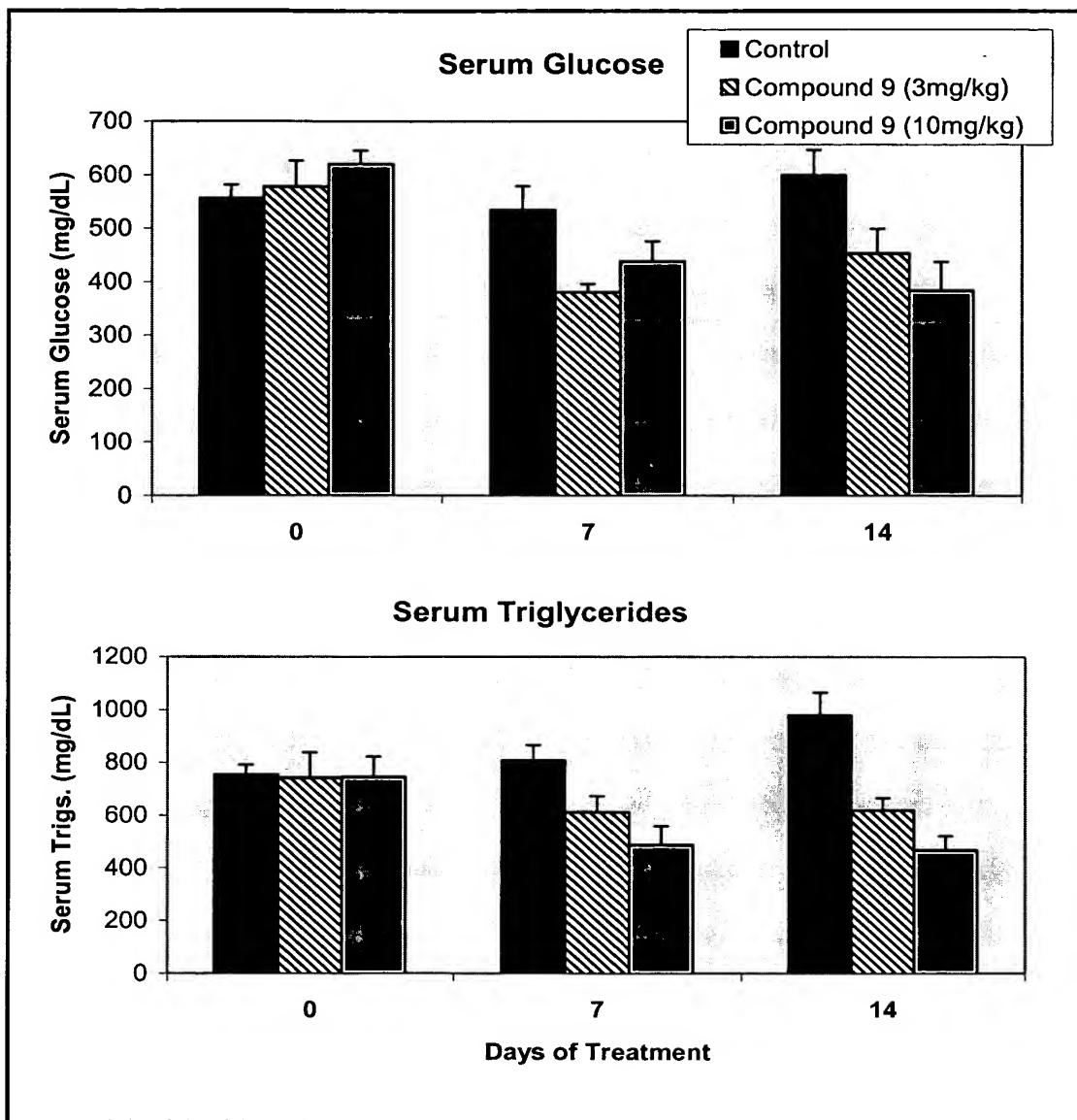


Figure 2c

Serum Glucose and Triglyceride Levels in KKA^y Mice
Treated With An Isochroman Compound

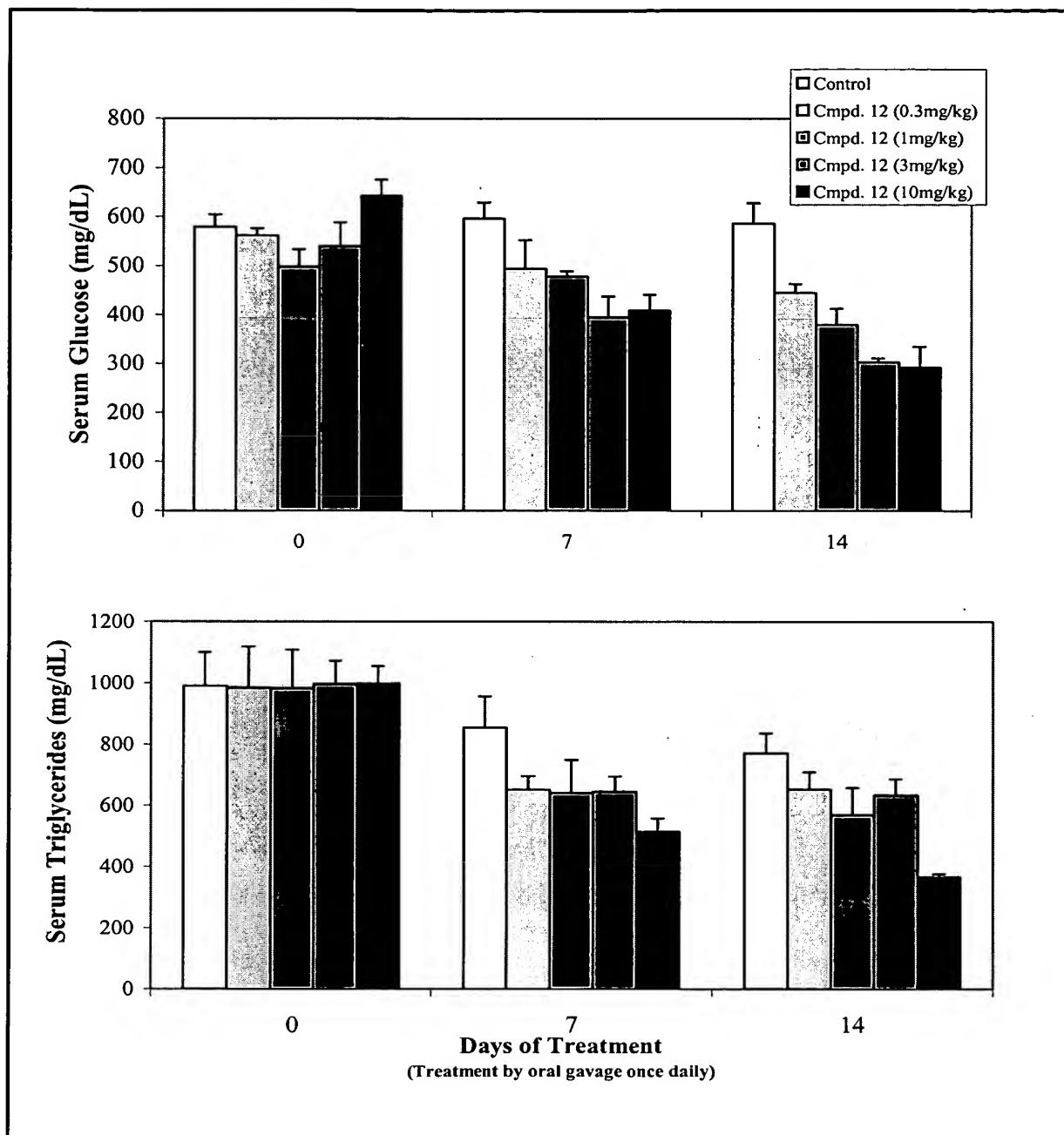


Figure 2d

**Cholesterol Efflux from Human Macrophages
Treated With An Isochroman Compound**

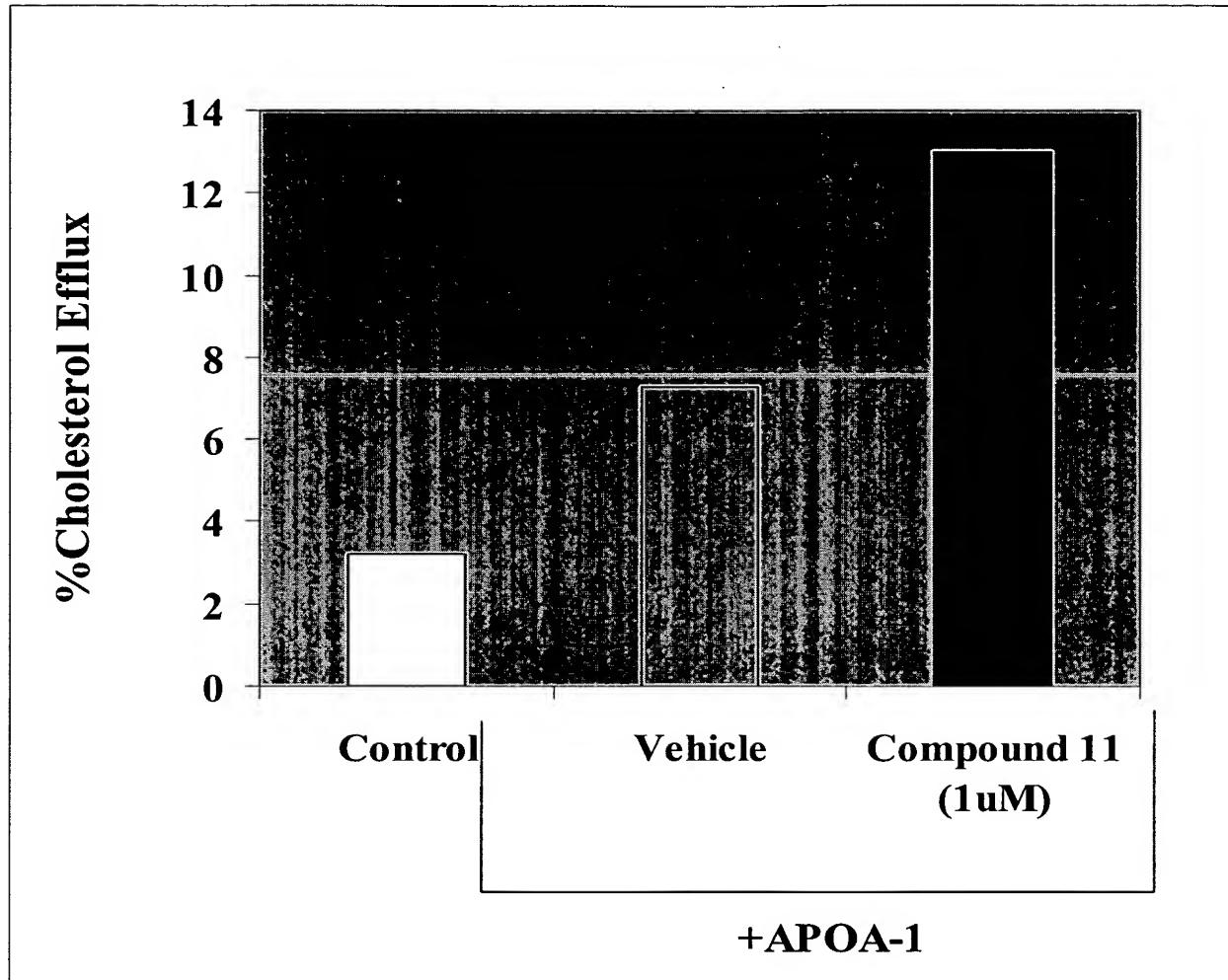


Figure 3

Serum Cholesterol Levels in Diet-Induced Hypercholesteremic Sprague Dawley Rats Treated With A Dihydronaphthalene Compound

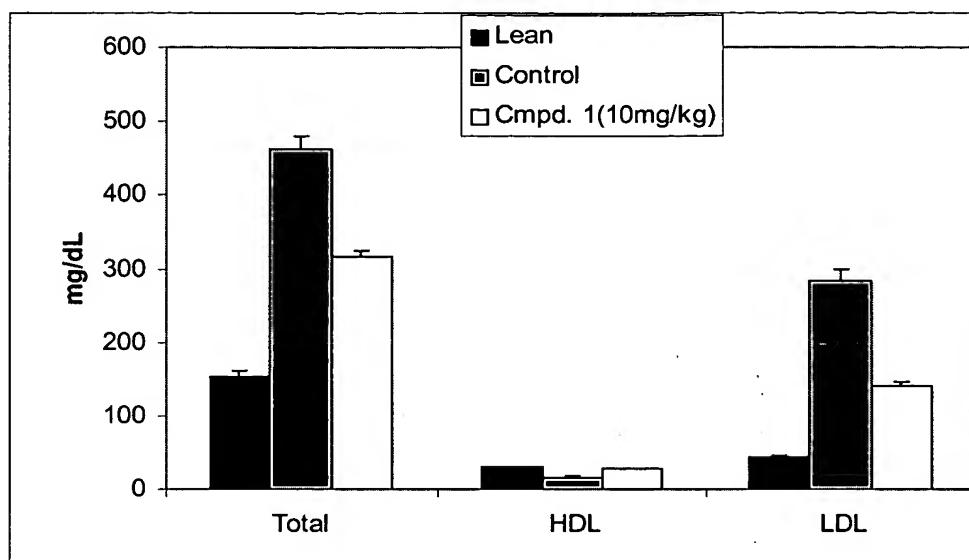


Figure 4a

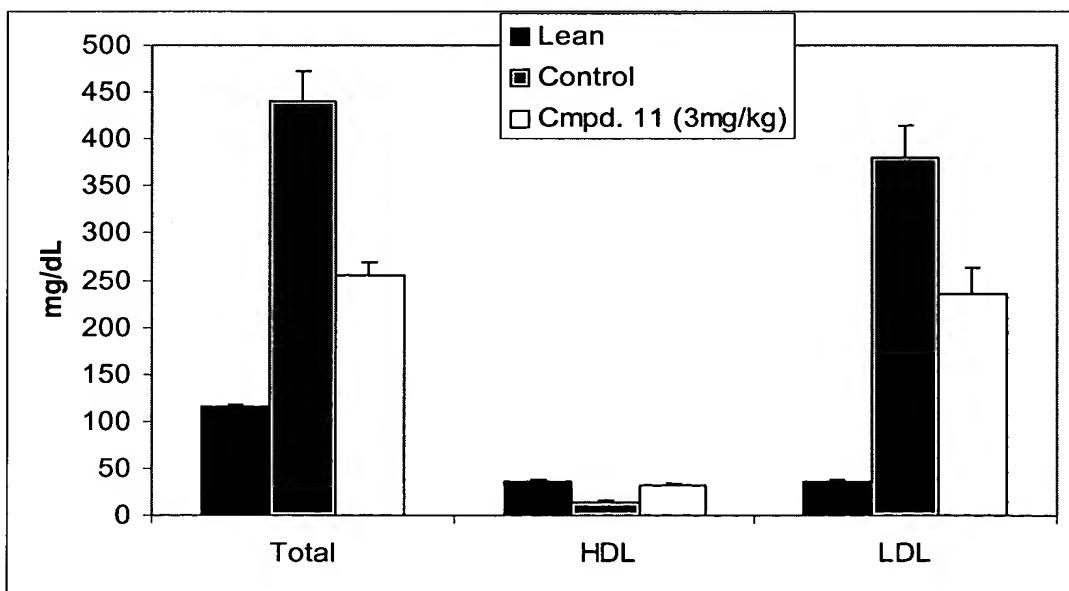


Figure 4b

Title: "SUBSTITUTED DIHYDRONAPHTHALENE AND ISOCHROMAN COMPOUNDS FOR THE TREATMENT OF METABOLIC DISORDERS, CANCER AND OTHER DISEASES"
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Western Blot Analysis of Cyclin D1 Expression in MCF-7 Breast Cancer Cells After Treatment With Compounds

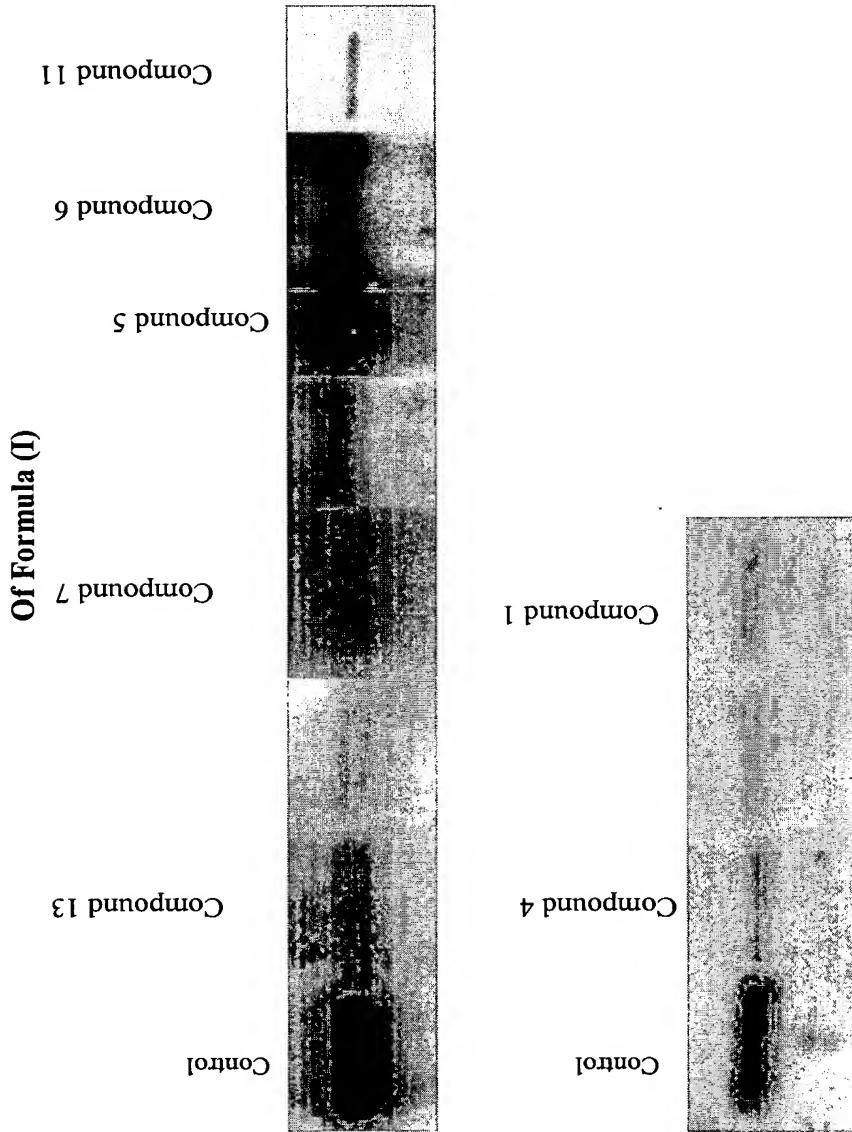


Figure 5

Effect of Compounds of Formula (I) on Progression of Mammary Tumors in Sprague Dawley Rats

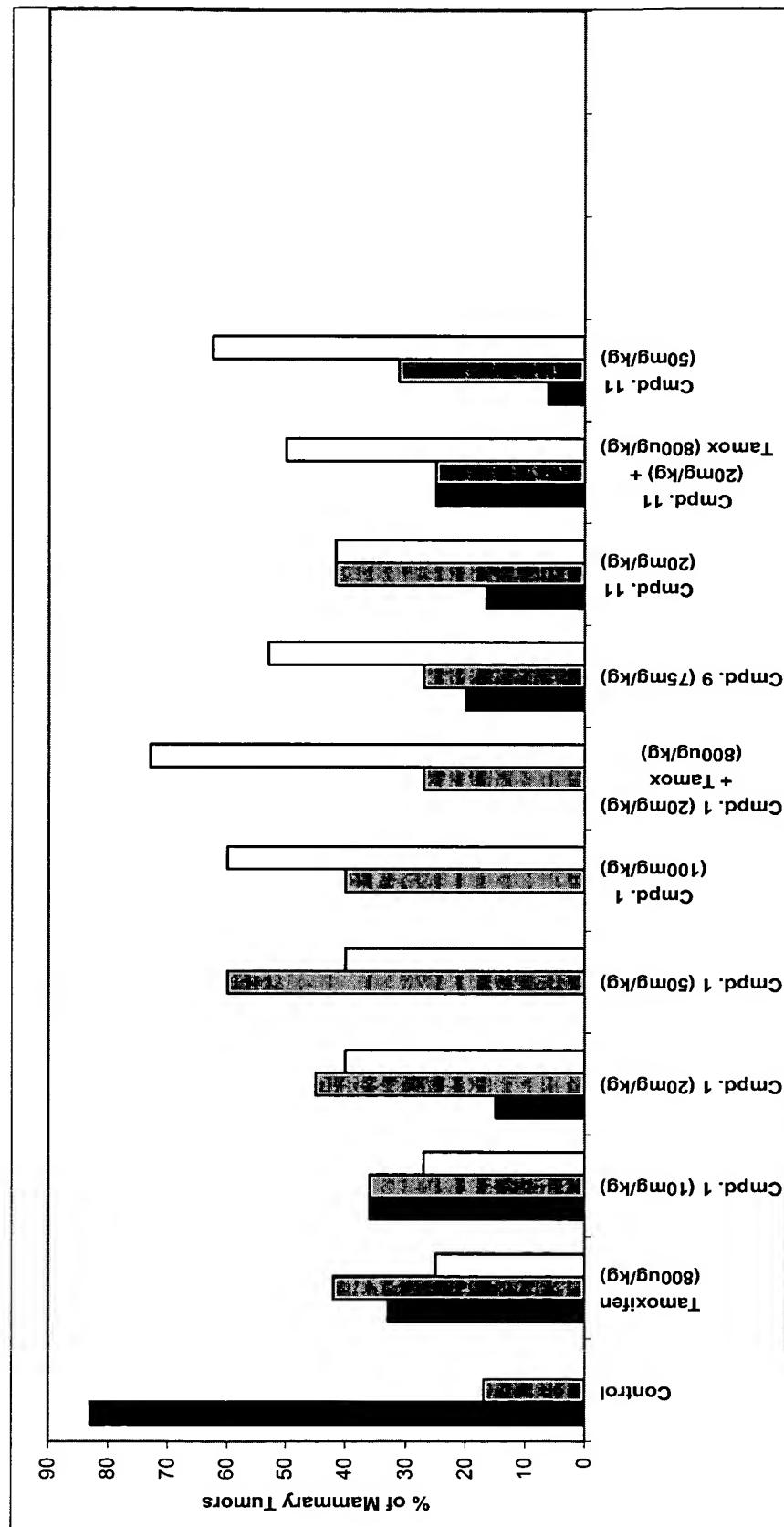


Figure 6

Overall Synthetic Strategy for Synthesis of Compounds of Formula (I_a) and (I_b)

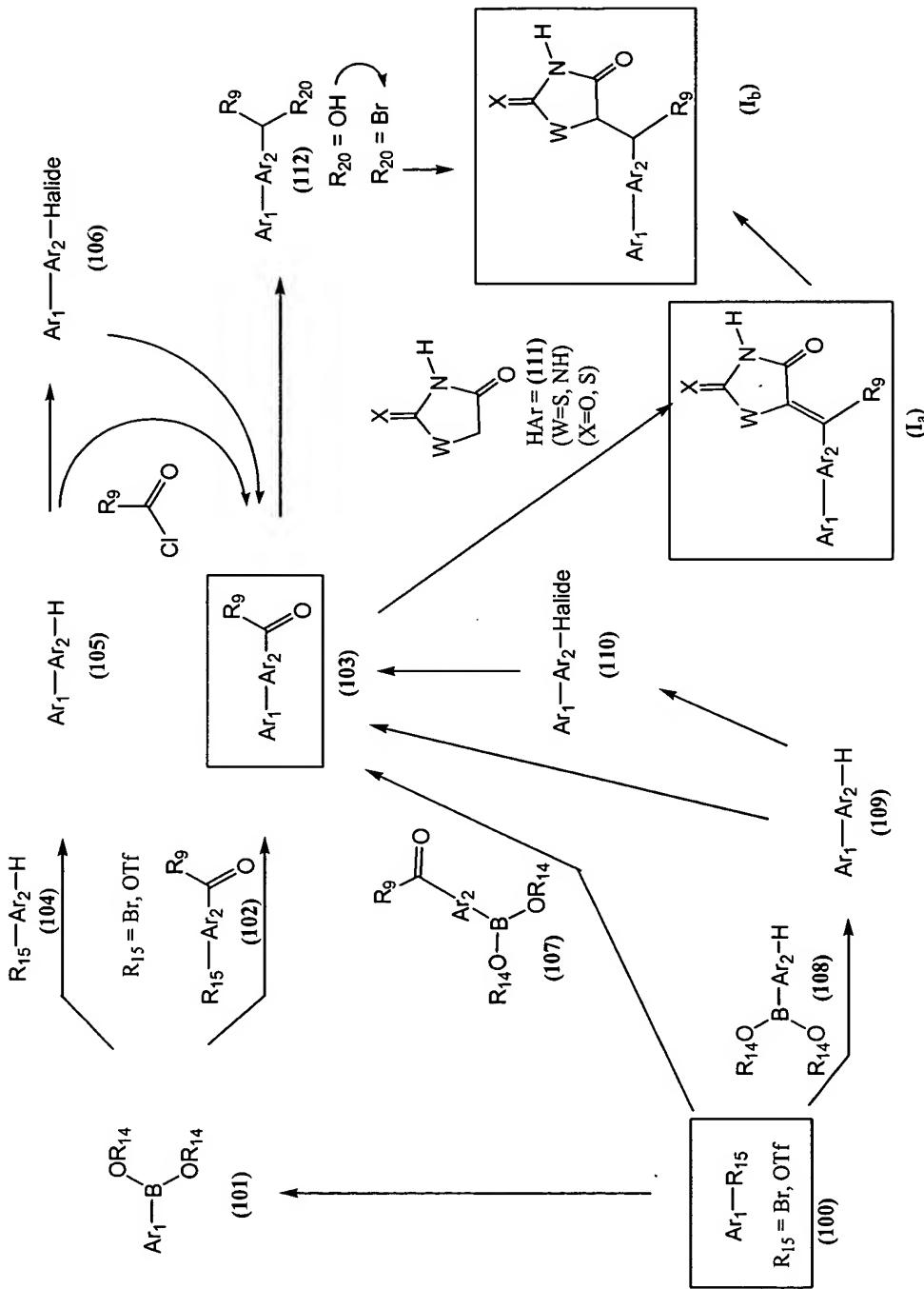


Figure 7

Synthesis of Precursors of Isochromans (Ar_{1e}) and (Ar_{1f})

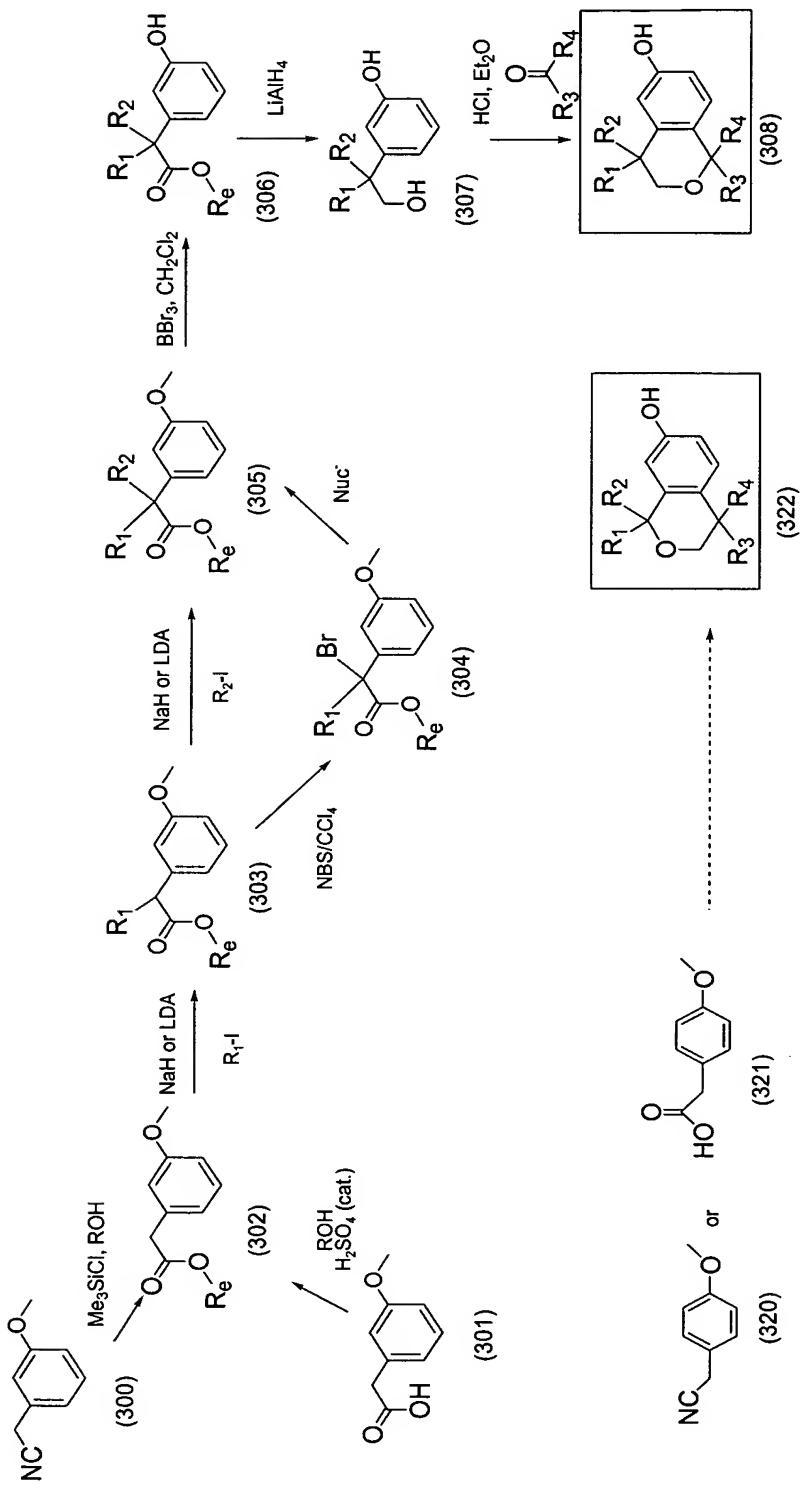


Figure 8

Further Functionalization of Precursors Isochromans (Ar_{1e}) and (Ar_{1f})

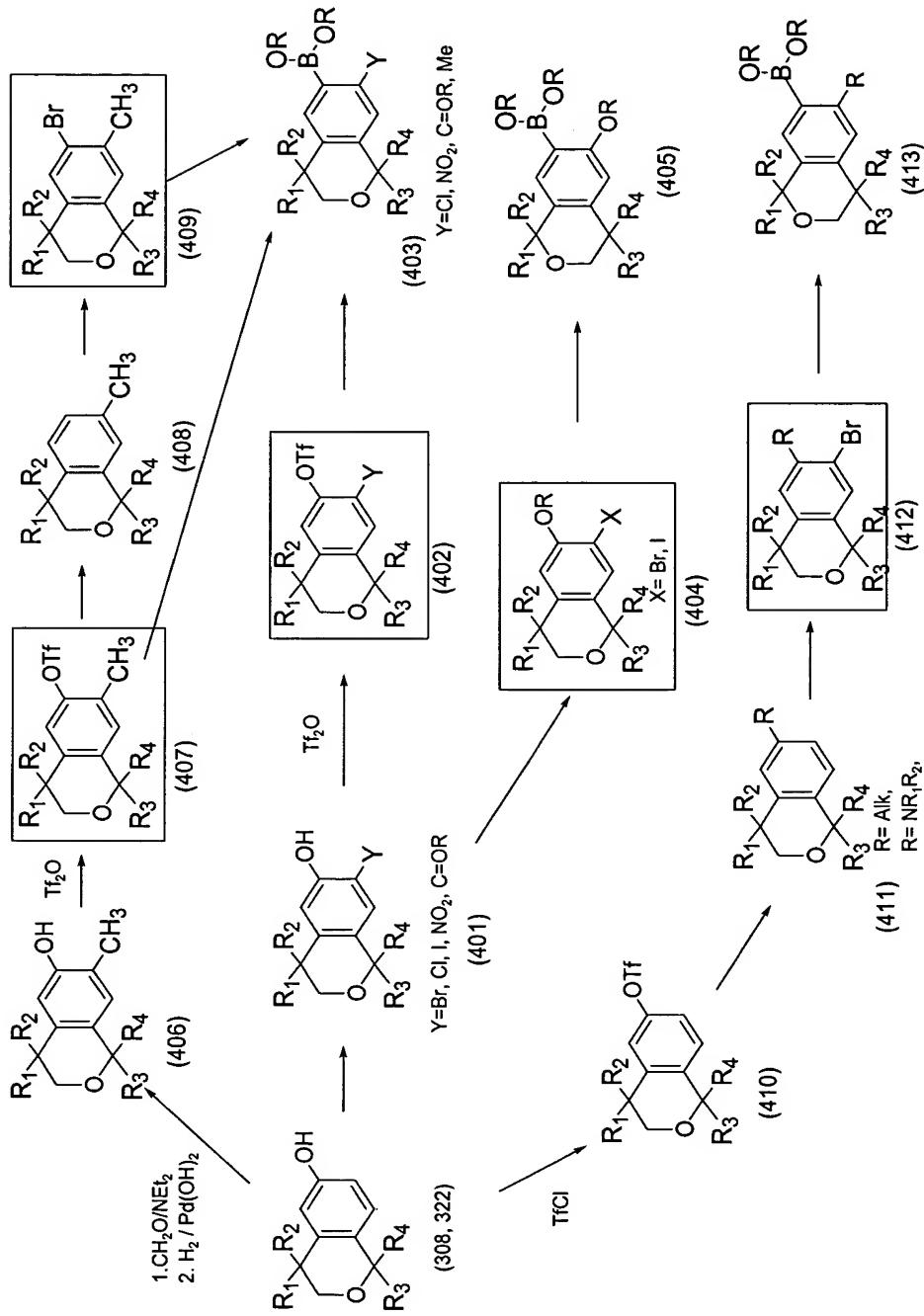


Figure 9

Synthesis of Substituted Dihydroronaphthalenyl Precursors of (Ar_{1g}) and (Ar_{1h})

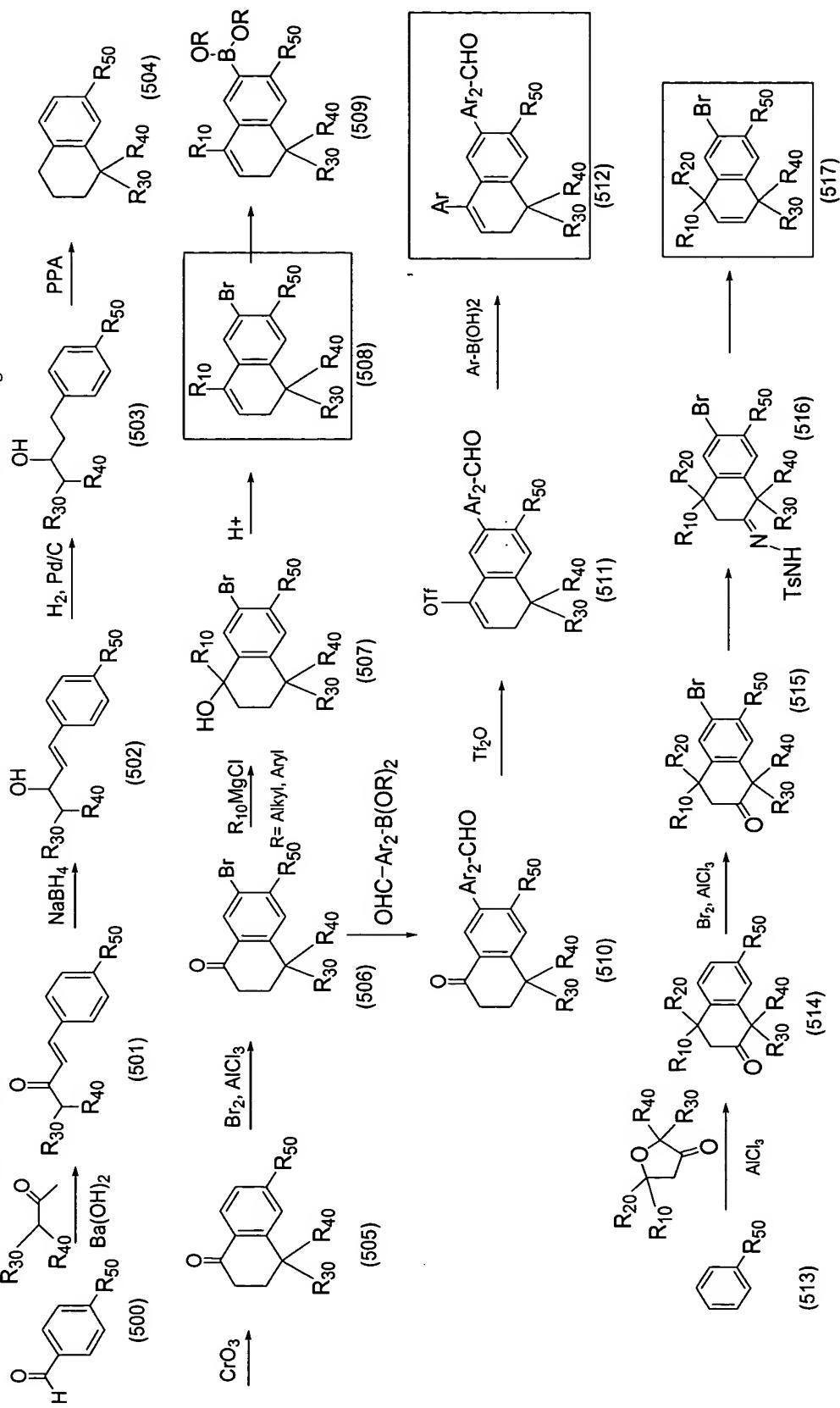


Figure 10